County Holores, Post Office... Name of Mine or Plant Otta



### REPORT TO BUREAU OF MINES

### STATE OF COLORADO

1765042 - R8 SDMS

Name of Company or Title of Partnership	}					
	1				***************************************	
Address of Principal U	)ffice	***************************************	•••••••	·	·····	
•	,					
Names, titles and ad-			-			••••••
Names, titles and ad- lresses of officers,	<u> </u>				*	
partners or owners						•••••
			•••••			·-····
a.				-		•
					<u></u>	
	-					
f names of claims		•				
					Total acreage	
any, need be given./Name	s of unpatented	claims			***************************************	
				· • • • • • • • • • • • • • • • • • • •		
\			***************************************	·····/	Total acreage	
Do you own these clair	ms, or do you ope	erate them u	nder lease?	L	2010-R	
f you operate under le		•			•	
. Jou opositio distant						
Name			nager		P. O. Address	
Name	······································	***************************************				
Name						
Name s the work done by y	our lessees includ	led in this r	eport ?			
Name s the work done by y	our lessees includ	led in this r	eport?f so, what is its char	racter a	nd capacity?	
Name s the work done by y Iave you a mill or red	our lessees include	led in this r	eport?f so, what is its char	racter ar	nd capacity?	
Name s the work done by y Have you a mill or red Average contents	our lessees include uction works;	led in this r	eport?f so, what is its character and concentrates a	racter ar	ad capacity?	
Name s the work done by y Have you a mill or red Average contents	our lessees included the court of products sold.  Copper	led in this r	eport?	racter ar	nd capacity?ve average contents of each.) Tungstic acid	9
Name s the work done by y Have you a mill or red Average contents	our lessees included the court of products sold.  Copper	led in this r	eport?	racter ar	ad capacity?	9
Name s the work done by y Have you a mill or red  Average contents fold	our lessees include uction works;  of products sold.  Copper	led in this r	eport?	racter ar	re average contents of each.)  Tungstic acid  Uranium oxide	9
Name s the work done by y Have you a mill or red  Average contents Hold	our lessees include uction works;  of products sold.  Copper  Zinc  Manganese	led in this r	eport?	racter ar	re average contents of each.) Tungstic acid Uranium oxide Vanadium oxide	9
Name  s the work done by y  Have you a mill or red  Average contents  fold	our lessees included uction works;  of products sold.  Copper  Zinc  Manganese	led in this r	eport?	racter and resold, gi	Tungstic acid	) 9/
Name  s the work done by y  lave you a mill or red  Average contents  fold	our lessees include uction works;  of products sold.  Copper  Zinc  Manganese  mtons	led in this r	eport?	racter and resold, gi	re average contents of each.) Tungstic acid Uranium oxide Vanadium oxide	) 9
Name  s the work done by y  Have you a mill or red  Average contents  Fold	our lessees included the court of products sold.  Copper  Zinc  Manganese  tons  ver bullion produ	(If both cru%%% Concentrate	eport?  f so, what is its character and concentrates and Iron  Sulphur  Insoluble  Fluorspar  s sold  tons	racter ar re sold, gi	Tungstic acid	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Name  s the work done by y  Have you a mill or red  Average contents  fold	our lessees include uction works;	led in this r	eport?	racter are sold, gi	re average contents of each.) Tungstic acid Uranium oxide Vanadium oxide % ag ore produced year	,
Name  s the work done by y Have you a mill or red  Average contents Hold	our lessees include uction works;	led in this r	eport?	racter are sold, gi	re average contents of each.) Tungstic acid Uranium oxide Vanadium oxide % ag ore produced year	,
Name  s the work done by y  Have you a mill or red  Average contents  Hold	our lessees include uction works;	led in this r	eport?	racter are sold, gi	re average contents of each.) Tungstic acid Uranium oxide Vanadium oxide % ag ore produced year	%
Average contents Fold	our lessees included the court of products sold.  Copper  Zinc  Manganese  tons  yer bullion products and other	led in this r	eport?	racter are sold, gi	re average contents of each.) Tungstic acid Uranium oxide Vanadium oxide % ag ore produced year	%

Attached to Report to Bureau of Mines,

State of Colorado

for the year of 1925

At the beginning of the year 1925 the "Atlantic Cable", "Shamrock", "Enterprise", "Pro Patria", "Syndicate" and other properties were held under lease and option by Robert L. Pellet, "the Atlantic Cable" being operated by him for about fifty (50) days during the months of Aprel, May and June, 1925. About September 1st 1925 the International Smelting Company became interested with Pellet in these leases, and the properties have, since that date, been operated under the name of that company. These properties cover a large number of claims (over 200), patented and unpatented, and comprise the entire holdings of the Syndicate Mining & Milling Company, with the exception of the so-called Nigger Baby Hill (or"Yellow Jacket") Group, which is being operated by the Falcon Lead Mining Company. A list of the holdings of the Syndicate Mining & Milling Company is on file with the Bureau of Mines.

The names and addresses of the various interested parties are as follows:

International Smelting Company, J. O. Elton, Gen'l Manager, 818 Kearns Building, Salt Lake City, Utah.

D. E. Loughran, Supt, Rico, Colorado

R. L. Pellet, Rico, Colorado.

Syndicate Mining & Milling Company, Car U. Owen, Vice Pres. 24 Broad St. New York City.

The data in the annexed teport covers the entire operations of the properties, by all parties for the year 1925.

METAL MINES AND MILLS

County Holora , Post Office Lico bolorado , Districe Name of Mine or Plant Ottanti. Cable

## REPORT TO BUREAU OF MINES

STATE OF COLORADO

( )	FOR THE YEAR 1926	
Name of Company or	Mining & Milling 1	e fo
Title of Partnership Address of Principal Office	Kearne Cuilding &	alt Lake but altal
Address of Frincipal Office	1 7 14 1777	0
Names, titles and ad-		147111 + 0111
dresses of officers,	Tourna Oulding, De	sh Lake Bury li Mak
partners or owners	lls/p-p	
Lico	bolorado	
(2)	patented claims atlantic	
Names and numbers of ]	patented claims	Coll Like
If names of claims		
have been listed in		Total seros as
only changes, if any, need be given. Names of unpatented cl	oima	<del>-</del> ,
any, need be given fivames of unpatented the		
		Total acreage
Do you own these claims, or do you operat	· /	
		Λ <i>(</i> -
If you operate under lease, give name and		/ /// // // · · · · · · · · · · · · · ·
Syndicate Mining & Illilling		•
If you have given a lease to others for all	or part of the property, state th	ie names of the leasing com-
panies, partnerships or individuals:		
Name	Manager	P. O. Address
	······································	***************************************
Is the work done by your lessees included	in this report?	••••••
Have you a mill or reduction works;	If so, what is its characte	er and capacity?
	<u></u>	***************************************
Average contents of products sold.	(If both crude ore and concentrates are so	ld, give average contents of each.)
Goldooz. CopperG	% Iron /. 3	% Tungstic acid%
Gold oz. Copper 79	% Sulphur	% Uranium oxide%
Lead% Manganese	"% Insoluble 7.6.0	% Vanadium oxide %
Molyhdanum	% Fluorspar	of
Crude ore sold 3.95 tons Co		C1112
		timing ore producedtons
Gold or silver bullion produced	•	
List of buildings, tramways, and other sur	face improvements made during	the year
Compressor Hant,		
Amount and character of underground de	velopment during year:	Shaftsft
Winzes ft. Raises	ft. Drifts 100 ft	. Crosscuts

	LABOR	D	ATA
	UNDERGROU	ND	MINE

Average Number of Men Employed Shipping Point Name of Mine or Plant Post Office Undergrou 180 At Mill ORE-DRESSING PLANTS AND MILLS CLASSIFICATION OF LABOR UNDERGROUND AND ON SURFACE ABOUT METAL MINES Total 8 hr. Shifts Wage per Shift Total 8 hr. Shifts 308 \$ 1.50 Nippers ..... Machine Runners 305 \$ V.00 Other Underg'nd Labor. Machine Helpers \$.... Topmen ..... Engineers 360 Trammers ..... Muckers 1/9 \$ 4.00 Firemen Machinists Cagers Blacksmiths Timbermen Timbermen Helpers Blacksmith's Helpers.... Pumpmen Pipemen \$ Electricians Foremen ..... Shift Bosses 750 Motormen \_\_\_\_\_ Total number of shifts performed by all men employed underground 3.4.1 Total number of shifts performed by all men employed on surface ...... 3 02 CLASSIFICATION OF LABOR IN ORE DRESSING PLANTS, MILLS AND OTHER SURFACE OCCUPATIONS Total 8 hr. Shifts Wage per Shift Total 8 hr. Shifts Wage per Shift Mill Superintendents Ore Sorters ......\$ Tram Men Mill Foremen \_\_\_\_\_\_\_\$ Mill Shift Bosses Teamsters \$ Millmen Timekeepers ..... Bookkeepers \$ Roustabouts \$ Machinists Storekeepers \$ Electricians Cooks .....\$ Carpenters Waiters \$..... Total number of shifts performed by all men employed in Mills, etc. Dated at .... Signed Itali arch 1 1 1927 By ..

NOTE.—PLEASE FILL OUT THIS REPORT COMPLETELY. DO NOT NEGLECT TO GIVE NUMBER OF DAYS OPERATED AND AVERAGE NUMBER OF MEN EMPLOYED. BE SURE TO DATE THE REPORT, AND SIGN IT.



BLANKS SHOULD BE COMPLETELY FILLED OUT AND RETURNED BY MARCH 1, 1944...

		1.	3	:		- 1	The second
•	 i			METAL	MINES	AND	MILLS
1							

Name of Mine or Plant Atlantic Cable

, Post Office Rico , District Pioneer

## REPORT TO BUREAU OF MINES

## STATE OF COLORADO

OTTO			For the X	ear 194					
OWNER Name of Company nership or Individ	, Part-} lual }	RICO	ARGENTINE M	INING COMPA	<u>NY</u>				
Address of Princip	al Office.	132	South Main S	treet, Salt	Lake City,	Utah	*************		
Local Office		Rico	, Colorado						
If incorporated, un	der the la	ws of what	t state ? IItah				******		
Names, titles and ad-	ſ		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
dresses of Officers, Partners, Individu-	1			-					
als .	L	•••••							
1	Names a	Names and numbers of patented claims							
		· .				***************************************			
If names of claims			See Former L	ists					
have been listed in previous reports,	{ .:	•			Total acreage	)			
only changes, if any, need be given	Names o	f unpatent	ed claims	·					
		····				<u> </u>			
			***************************************		Total acreage				
Do you operate the	se claims	yourself or	are they being	worked under	· lease?COI	npany operati	on		
Was property oper							1000		
If you have given a	a lease for	all or part	t of the propert	y give names a	nd P. O. addre	ss of said lessees	, together		
with description of	f part lea	sed							
*******************									
_ <u></u>			·	<u> </u>		·			
Is the work done b	y your le	ssees inclu	ded in this rep	ort?			*******		
Have you a mill or									
Ore produced i	s all m	illed at	Rico Argent	ine Mill -	see No. 204				
List all improvemen									
New Head Frame;									
Air line from V	<mark>Tan Wink</mark>	le Shaft	; 540.3' Dri	fting					
OPERATOR Name of Company, Partnership or Individual Address of Office	ſ	·			***************************************				
Partnership or Individual	( Ri	es an	erline		*****************				
Address of Office			J	***************************************					
Name and address									
	**********			***************************************		· · · · · · · · · · · · · · · · · · ·			
				٠.					
			•	CTION					
CRUDE OR SHIPP	ING ORE	: No. of to	ns	Average gr	oss value per to	on \$			
Total value \$									
Ĝold	₋óz.	Lead	%	Copper	<b>~~~~</b> %	Sulphur	<b>%</b>		
Silver	.oz.	Zinc	%	Iron	%	Fluorspar	%		
Tungsten	%	Vanadium	%	Uranium	%	Molybdenum	%		
Tungsten	ons milled	12131 /11	Milling 1	onnage snow processes emplo	n for Rico A	rgentine Mil	1 -#204		
Average gross value metals as follows:	e per ton	crude ore i	milled \$	Ave	erage grade cru	de ore milled in	different		
Gold	.oz.	Lead	%	Copper!	1.5%	Sulphur	%		
Silver			%						
Tungsten	%					Molybdenum	•		
BULLION: Sold to					•	_	•		
~					*,				

		See 1-CO	"LECHOTHE W	TTT - 11 201	1 1		
CONCENTE	RATES: No. to			rom ores milled		Ratio	of reducti
	into one.	Average value	per ton conce	ntrates \$		al value \$	
	de concentrat						
old	OZ.	Lead	%	Copper	%	Sulphur	
silver	0Z.	Zinc	<b>%</b>	Iron	%	Fluorspa	T
ungsten			%	Uranium	%	Molybde	num
				for mining \$		•	
						•	
reight \$		milling \$		smelting \$	······································	otal average	e cost per t
					•		
- S			LABOI	R DATA			
	M	INE	!!!		MIL	L 	
No. of Average Nu		umber of Men E	mployed	No. of Days	Average Nu	mber of Men E	mployed
Operated	Underground	1	Surface	Operated		No. of Men	
327	11		. <b>2</b>	1 14 1 12	4.00	!	
			t :		<u> </u>		
	and the second s	•	OF LABOR	IN AND ABOUT			· : ·
	UNDER	GROUND	1		SURFA		<u> </u>
		Total 8 Hr. Shifts	Wage Per Shift	·		Total 8 Hr. Shifts	Wage Per Shift
iners		327	\$7.18	Topmen		327	\$.7.18
		1	\$7.18	Hoistmen			
	ers		\$6.58	Firemen			
rammers &	Muckers	654	\$6.58	Machinists			. \$
agers & Ski	ppers			Blacksmiths		******************	<b>\$</b>
		327	\$7.68	Carpenters			1
			-   \$	Superintendents.			\$
	g'nd Labor		- \$	Foremen			<b>-   \$</b>
ther Under	and Labor		180.00	Shift Bosses			. 13
**	CLASSIFI	CATION OF	LABOR IN O	RE DRESSING	PLANTS AN	D MILLS	
T. T.		Total 8 Hr.	Wasan Dan			Total S Hr.	Wage Per
			Wage Per				
		Shifts	Shift	-		Shifts	Shift
	nts	Shifts	Shift	Trammen		Shifts	\$
oremen		Shifts	Shift	Truckers		Shifts	\$
oremenhift Bosses.		Shifts	Shift	Truckers		Shifts	\$ \$
oremenhift Bosses (illmen		Shifts	\$\$\$\$	Truckers Teamsters Timekeepers		Shifts	\$ \$
oremenhift Bosses (illmenoustabouts		Shifts	\$ \$	Truckers		Shifts	\$ \$ \$
oremenhift Bosses [illmenoustabouts [achinists		Shifts	\$ \$	Truckers Teamsters Timekeepers Bookkeepers		Shifts	\$
oremenhift Bosses (illmenoustabouts (achinists		Shifts	\$ \$	Truckers Teamsters Timekeepers Bookkeepers Storekeepers		Shifts	\$
oremenhift Bosses  Cillmen  Coustabouts  Lachinists  Clectricians  arpenters		Shifts	\$ shift  \$	Truckers Teamsters Timekeepers Bookkeepers Storekeepers Cooks		Shifts	\$
oremenhift Bosses  [illmenoustabouts  [achinists  [lectricians  arpenters  re Sorters	,	Shifts	\$	Truckers Teamsters Timekeepers Bookkeepers Storekeepers Cooks Waiters		Shifts	\$
oremen	er of shifts per	formed by all	shift  \$\$\$\$\$\$\$\$\$	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters		Shifts	\$
oremen	er of shifts per	formed by all	shift  \$\$\$\$\$\$\$\$\$	Truckers Teamsters Timekeepers Bookkeepers Storekeepers Cooks Waiters		Shifts	\$
oremen	er of shifts per	formed by all	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surface	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters		Shifts	\$
oremen	er of shifts per er of shifts per er of shifts per	formed by all	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surfactors are in mills.	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters		Shifts	\$
oremen	er of shifts per er of shifts per er of shifts per	formed by all	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surfact men in mills.  If this cannot	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  ound t be given accurate	ately, give ap	proximately	\$
oremen	er of shifts per er of shifts per er of shifts per f operations du	formed by all formed by all aring the year	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surfact men in mills.  If this canno	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  Dund e t be given accura	ately, give ap	proximately	\$
oremen	er of shifts per er of shifts per er of shifts per f operations du	formed by all formed by all aring the year	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surfact men in mills.  If this canno	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  ound t be given accurate	ately, give ap	proximately	\$
oremen	er of shifts per er of shifts per er of shifts per f operations du	formed by all formed by all ring the year	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surfact men in mills.  If this canno	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  Dund e t be given accura	ately, give ap	proximately	\$
hift Bosses.  Gillmen.  Joustabouts.  Jachinists.  Jachinists.  Jarpenters.  Te Sorters.  Jotal number otal number otal number otal number otal cost of	er of shifts per er of shifts per er of shifts per f operations du	formed by all formed by all ring the year	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men underground on surfact men in mills.  If this canno	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  ound t be given accura	ately, give ap	proximately	\$
oremen	er of shifts per er of shifts per er of shifts per f operations du	formed by all formed by all aring the year	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men undergromen on surfacemen in mills.  If this canno	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  ound t be given accura	ately, give ap	proximately	\$
oremen	er of shifts per er of shifts per er of shifts per f operations du	formed by all formed by all aring the year	shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$  men undergromen on surface men in mills.  If this canno	Truckers Teamsters Timekeepers Bookkeepers Cooks Waiters  ound t be given accurate	ately, give ap	proximately	\$

Title President and General Manager

### IMPORTANT

BLANKS SHOULD BE COMPLETELY FILLED OUT AND RETURNED BY MARCH 1, 194.5...

### METAL MINES AND MILLS

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				and the second second		,		-			· 1	
mnty	,	DOTOLES	: 12	hat Affia	a Kic	n .	1		District	Pinnee	r.	
JU uniuj				OST CITIO	C				TOTALICO.	· · · · · · · · · · · · · · · · · · ·		

## REPORT TO BUREAU OF MINES

			COLORADO ear 194.4	* .*		
OWNER Name of Company nership or Individ	Part- Rico Ar	gentine M	ining Comp	any		
Address of Princip	179 0	uth Main	Street, Sal	t L ke C	ity, Utah	
Local Office	Rico,C	olorado				
If incorporated, un	der the laws of what	state? Ut	ah			
Names, titles and ad- dresses of Officers, Partners, Individu- als		No. 143		·····		
	Names and numbers	of patented c	laims			
have been listed in previous reports,	Names of unpatente			Total acreage		
	***************************************	4.4	•		4.4	
	·					
	se claims yourself or					
Was property oper	ated in whole or in p	art during the	past year?	in who	Le	(
If you have given a	lease for all or part	of the propert	y give names and	l P. O. addre	s of said lessees, to	gether
with description of	part leased	<del>344</del>	***************************************			
***************************************	***************************************				·	
	***************************************					
	y your lessees includ	_	1			-
Have you a mill or All ore from	reduction works? this property	Tf γ milled ε	so, what is its cl t Rico Arg	naracter and entine -	see #143	
Diamond Dril	nts and development ling 82 ft.			والمعارض والمراج والمتار والمار والمار والمار والمار		**********
OPERATOR Name of Company, Partnership or In- dividual	Rico Argei	atine Mini	ng Company			
Address of Office						
Name and address	of those in charge of , Salt Lake C	work C T V	an Winkle	Pres & Ge	n Mgr	
*		PRODU	•	******************	***************************************	***********
CRUDE OR SHIPP	ING ORE: No. of tor	18	Avarage gree	g walna nan és	nn <b>4</b>	
Total value \$		worner erada	of different mate	s varue per u Vic postant i	<u>и</u> ф	
Gold	oz. Lead		Conner	" %	Sulphur	
	oz. Zinc					•
Tungsten	% _ Vanadium.	%	Uranium	/ <sub>0</sub>	Molybdenum	/ <sub>0</sub>
MILLING ORE: To	Vanadium to Rico Argei ons Anna 4054	ntine Milling	processes employe	ed		····················/U
Average gross value metals as follows:	e per ton crude ore n	illed \$	Avera	ge grade cru	de ore milled in di	ferent
Gold	oz. Lead	LO %	Copper	<b></b> %	Sulphur	0/2
	oz. Zine		Iron	•	Fluorspar	
Tungsten			Uranium		Molybdenum	•
-	U.S. Mint or other p					
Silvar	0=			wanvul		<i></i>

# /3/

### IMPORTANT

BLANKS SHOULD BE COMPLETELY FILLED OUT AND RETURNED BY MARCH 1, 194...6...

## METAL MINES AND MILLS

	Name of Mine or Plant ATLANTIC CABLE	•
Connty	DOLORES Post Office RICO District PIONEER	

County	Y, FOSI					
	REPOR'	STATE OF	REAU OF N	<b>INES</b>	e e	
OPERATOR	/	For the Y	ear 1945.		•	
	, Part-} / Rico Arg	gentine Nin	ng Company		***************************************	
	al Office132 Sout					
Local Office	Rico, Co	lorado		· .	••••	
	der the laws of what					
	ſ					
dresses of Officers, Partners, Individu- als	}	SEE NO. 131				
			A Company of the Comp			
e e e e e e e e e e e e e e e e e e e	Names and numbers		9.5	and the second		
have been listed in			***************************************			
only changes if	Names of unpatente			•		
		• .				
Do you operate the	se claims yourself or	are they being	worked under lea	se?No.L	ease	
Was property oper	ated in whole or in p	art during the	past year? in w	rhole		
If you have given a	lease for all or part	of the propert	y give names and l	P. O. address	of said lessees,	together
with description of	f part leased					
* *			•			or the second
					* :	
	y your lessees includ					4
	reduction works?his property mil					
	nts and developments					
	4! Diamond Drill					
					***********************	
Name of Owner	Rico Argen	tine Mining	Company			
Address of Owner.					er Sintender en Sintender der Sintender er eine deutsche Sintender er eine deutsche Sintender er eine deutsche Sin	·
	<del>- 200-20-20-20-20-20-20-20-20-20-20-20-20-</del>					
		PRODU				
CRUDE OR SHIPP	ING ORE: No. of tor	18	Average gross	value per to	n <b>\$</b>	
Gold	.oz. Lead	%	Copper	%	Sulphur	
Silver	oz. Zine	0/0	Tron	%	Fluorspar	-
Tungsten	% Vanadium.	······················////////////////	Uranium	%	Molybdenum	%
	Vanadium Ons					
Average gross valumetals as follows:	e per ton crude ore n	illed \$	Averag	e grade crud	le ore milled in o	lifferent
	oz. Lead5					%
Silver			Iron			<b>%</b>
	% Vanadium					•
	U.S. Mint or other p	laces	******************************	Total amoun	it: Gold	oz.
Silver	Oz.			e.		



ONCENTRATES: N	ne. Average value	per ton conce	ntrates \$	Tota	al value \$	
verage grade concen						-
oldoz.	Lead	%	Copper	%	Sulphur	9
ilveroz.	Zinc	%	Iron	%	Fluorspa	ar9
ungsten%		%		%	Molybo	enum
				. · · · · · · · · · · · · · · · · · · ·		
OST OF PRODUCTI						
reight \$	, milling \$	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	smelting \$	T	otal average	e cost per to
					•	
		TAROL	2 75 A TT A	,	•	
•	MINE	LABOI	R DATA	MILI	<u>.</u>	
			1		nber of Men E	
Days	age Number of Men Er		No. of Days Operated			шртолем
Undergr	round	Surface			No. of Men	<u> </u>
	<u> </u>					
				<u> </u>		
	LASSIFICATION DERGROUND	<del></del>	IN AND ABOU	T METAL MI SURFA		Wass Per
the state of the state of	Total 8 Hr. Shifts	Wage Per Shift	-		Shifts	Wage Per Shift
Ainers			Topmen			. \$
Machinemen			Hoistmen			\$
Machine Helpers	1 421					1
rammers & Muckers			16			
Cagers & Skippers	1	i				1
Timbermen	1	i <b>e</b>	Il Carpenters			. \$
			10 7			
umpmen		\$	Superintendent	s	****************	. \$
Pumpmen Clectricians		\$ <b>.</b>	Superintendent Foremen		****************	. \$
Pumpmen		\$ \$ 	Superintendent Foremen Shift Bosses	s		. \$
Pumpmen		\$ \$ 	Superintendent Foremen Shift Bosses	s		. \$
Pumpmen Electricians Other Underg'nd Labor CLASS	SIFICATION OF .  Total 8 Hr. Shifts	\$	Superintendent Foremen Shift Bosses RE DRESSING	PLANTS AN	D MILLS  Total 8 Hr. Shifts	\$
Pumpmen	Total 8 Hr. Shifts	\$ \$ \$ LABOR IN O	Superintendent Foremen Shift Bosses  RE DRESSING  Trammen	PLANTS AN	D MILLS  Total 8 Hr. Shifts	Wage Per Shift
Pumpmen	SIFICATION OF .  Total 8 Hr. Shifts	\$	Superintendent Foremen Shift Bosses  RE DRESSING  Trammen  Truckers	PLANTS AN	D MILLS  Total 8 Hr. Shifts	Wage Per   Shift
Pumpmen Electricians Other Underg'nd Labor CLASS Superintendents	SIFICATION OF .  Total 8 Hr. Shifts	\$	Superintendent Foremen Shift Bosses  RE DRESSING  Trammen Truckers Teamsters	PLANTS AN	D MILLS  Total 8 Hr. Shifts	**************************************
Pumpmen Electricians Other Underg'nd Labor CLASS Superintendents Foremen Shift Bosses	SIFICATION OF .  Total 8 Hr. Shifts	\$ SALABOR IN O	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts	Wage Per Shift
CLASS Superintendents Foremen Shift Bosses Millmen	SIFICATION OF .  Total 8 Hr. Shifts	\$ SALABOR IN O	Superintendent Foremen	PLANTS AN	D MILLS Total 8 Hr. Shifts	Wage Per Shift  \$
Pumpmen Electricians Other Underg'nd Labor CLASS Superintendents Foremen Shift Bosses Millmen Roustabouts	SIFICATION OF Total 8 Hr. Shifts	\$	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts	Wage Per Shift  \$
CLASS  Superintendents  Oremen  Shift Bosses  Millmen  Roustabouts	SIFICATION OF Total 8 Hr. Shifts	\$	Superintendent Foremen	PLANTS AN	D MILLS Total 8 Hr. Shifts	**************************************
CLASS  Guperintendents  Foremen  Shift Bosses  Millmen  Roustabouts  Machinists  Carpenters	SIFICATION OF Total 8 Hr. Shifts	\$	Superintendent Foremen	PLANTS AN	D MILLS Total 8 Hr. Shifts	**************************************
CLASS  Superintendents  Foremen  Ghift Bosses  Machinists  Clectricians	Total 8 Hr. Shifts	S. S. S. LABOR IN O  Wage Per Shift  S.	Superintendent Foremen	PLANTS AN	D MILLS Total 8 Hr. Shifts	Wage Per Shift  \$
CLASS  Guperintendents  Guillmen  Roustabouts  Carpenters  Ore Sorters  Cotal number of shifts	Total 8 Hr. Shifts  performed by all performed by all :	S. S. LABOR IN O.  Wage Per Shift  S. S. S. S. S. S. S. S. Men undergroumen on surface	Superintendent Foremen	PLANTS AN	D MILLS Total 8 Hr. Shifts	**************************************
CLASS  Guperintendents  Foremen  Shift Bosses  Millmen  Roustabouts  Carpenters  Ore Sorters  Cotal number of shifts	performed by all performed by all	\$ \$ \$ LABOR IN O  Wage Per Shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts	\$
CLASS  Guperintendents	performed by all performed by all	S	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
CLASS  CUASS  CU	Total 8 Hr. Shifts  performed by all performed by all sperformed by all as during the year.	\$	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	**************************************
CLASS  CLASS  Guperintendents  Foremen  Shift Bosses  Millmen  Roustabouts  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks:	sification of total 8 Hr. Shifts  performed by all performed by all performed by all as during the year.	S	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	**************************************
CLASS  Guperintendents  Guperintendents  Goremen  Shift Bosses  Millmen  Roustabouts  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks:	Total 8 Hr. Shifts  performed by all performed by all performed by all as during the year.	S. S. LABOR IN O.  Wage Per Shift  S. S. S. S. S. S. S. S. Men undergroumen on surfactomen in mills.  If this canno	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
CLASS  Guperintendents  Guperintendents  Goremen  Shift Bosses  Millmen  Roustabouts  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks:	sification of total 8 Hr. Shifts  performed by all performed by all performed by all as during the year.	S. S. LABOR IN O.  Wage Per Shift  S. S. S. S. S. S. S. S. Men undergroumen on surfactomen in mills.  If this canno	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
CLASS  Guperintendents  Guperintendents  Foremen  Chift Bosses  Machinists  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks	Total 8 Hr. Shifts  performed by all performed by all performed by all as during the year.	\$ \$ \$ \$ LABOR IN O  Wage Per Shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ men undergromen on surfactor men in mills.  If this canno	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
CLASS  Guperintendents  Guperintendents  Foremen  Chift Bosses  Machinists  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks	Total 8 Hr. Shifts  performed by all performed by all sperformed by all as during the year.	\$ \$ \$ \$ LABOR IN O  Wage Per Shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
CLASS  Guperintendents  Guperintendents  Foremen  Chift Bosses  Millmen  Roustabouts  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks:	Total 8 Hr. Shifts  performed by all performed by all sperformed by all as during the year.	\$ \$ \$ \$ LABOR IN O  Wage Per Shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
CLASS  Guperintendents  Guperintendents  Foremen  Chift Bosses  Machinists  Carpenters  Ore Sorters  Cotal number of shifts  Cotal number of shifts  Cotal number of shifts  Cotal cost of operation  Remarks	Total 8 Hr. Shifts  performed by all performed by all sperformed by all as during the year.	\$ \$ \$ \$ LABOR IN O  Wage Per Shift  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Superintendent Foremen	PLANTS AN	D MILLS  Total 8 Hr. Shifts  oroximately	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

### IMPORTANT

BLANKS SHOULD BE COMPLETELY FILLED OUT AND RETURNED BY MARCH 1, 194.7

METAL MINES AND MILLS

Name of Mine or Plant ATLANTIC CARLE & Van Winkle Shaft

County DOLORE	S , Post Office Rico, Colo , District Pioneer	• ••••
•	DEDORT TO DURE ALL OF A MAIRC	
	REPORT TO BUREAU OF MINES	
Entropy of	STATE OF COLORADO  For the Year 194.6.	
OPERATOR		
Name of Company nership or Individ	, Part-	÷
	al Office 132 South Main Street, Salt Lake City, Utah	-بند
Local Office	Rico, Colorado	••••
,		
If incorporated, un	der the laws of what state?	
Names, titles and ad-		••••
Partners, Individu-		••••
els (1965) and the state of the	<u> </u>	
The state of the s	Names and numbers of patented claims (See No. 156)	
	(See No. 156)	
If names of claims		
	Total acreage	
only changes, if any, need be given	Names of unpatented claims.	
	The state of the s	
<i>y</i>	Total acreage	
Do you operate the	se claims yourself or are they being worked under lease?	
	ated in whole or in part during the past year?	
	a lease for all or part of the property give names and P. O. address of said lessees, togeth	
	f part leased	
	and the state of t	
A Company of the Comp	y your lessees included in this report?	
	reduction works?	
	11 SU, WHAT IS ITS CHARACTER AND CAPACITY I	
	nts and developments made during the year 2793.5 ft. Drifts & Crosscuts;	
	s; 1507.5 ft. diamond drilling	
	S. A.M. 1. A. G. GLAMONG OF LATING	
>T		
Name of Owner	<u> </u>	•
Address of Owner.		
		••••
	PRODUCTION	
CRIDE OR SHIPE	INCLUDED IN TOTALS SHOWN IN NO. 156 PING ORE: No. of toms	
		-,-,-
et a constant and a c		Of
		•
	oz. Zinc % Iron % Finorspar	•
Tungsten	% Vanadium % Uranium % Molybdenum	.70
Average gross valumetals as follows:	te per ton crude ore milled \$ Average grade crude ore milled in differe	an'
Cold Tw	or Lord 5.0 % Conner 1 % Sulphum	of

Silver \_\_3.0 \_\_\_\_oz.

Tungsten .....%

Zinc 12.0 %

Vanadium....%

Iron.....%

Uranium .....%

Fluorspar .....%

Molybdenum .....%

CONCENTR	ATTES No tor	e-concentra	tes obtained f	rom ores milled	<b>.</b>	Ratio	of redu
CONCENTA				ntrates \$		•	
Average ora	de concentrates				100	at value d	
Gold		Lead	1	Copper	<b>%</b>	Sulphur	
			,-		•	₹' ' '	
Silver			%	Iron	• •	-	F
Tungsten	•		%	Uranium	•	•	num
COST OF PI	ODUCTION: S	tate average	cost per ton i	for mining \$	······································	hauling \$	
freight \$	, n	nilling \$		smelting \$	7	Cotal average	cost per
\$						£.	
			7 4 12 0 1	R DATA			4
	MIN	TE	TABU	. DAIA	MIL	L	
No. of	A verege Nu	mber of Men Er	nnloved a	No. of	Average Nu	mber of Men Er	nployed
Days Operated	Underground		Surface	Days Operated		No. of Men	
	Onder Brown		- Survivo		-5		
322	48		ł				······································
	CLASS	FOLLOWING IFICATION	OF LABOR	N TOTALS SHOWN AND ABOUT	WN ON NO. T METAL M	156 INES	
	UNDERG				SURF	·	*.
,		Total 8 Hr.	Wage Per Shift			Total 8 Hr.	Wage I
	· · · · · · · · · · · · · · · · · · ·	Shifts	Shift			Shifts	
			\$	= = ================================		1751	s.B.06.
		4508 4508	\$ 8.66 \$ 8.06	Hoistmen	· i	1288	\$. <b>8</b> .66.
	ers Muckers		s.8.06	Firemen			\$
	pers		1	Machinists Blacksmiths		, <b>6</b> 44	\$ 9.26
- · •	, <u>P</u>		1.5	Carpenters	1		\$
Pumpmen	et george		\$	Superintendents	L		\$
Electricians			\$	Foremen			\$
Other Underg	'nd Labor		<b> \$</b>	Shift Bosses		644	\$S <sub>2</sub> 1,
•	CT.ASSTETC	ATTON OF	ABOR IN O	RE DRESSING	PLANTS AN	B.T.TIM CI	
		Total S Hr.				Total 8 Hr.	Ware
<del> </del>		Shifts	Wage Per Shift		· · · · · · · · · · · · · · · · · · ·	Shifts	Wage F Shift
Superintenden	ts	·	\$	Trammen			\$
Foremen		•	\$	Truckers			\$
			\$	Teamsters	The state of the s	N 4	\$
			\$	Timekeepers Bookkeepers			\$
			\$	Storekeepers	• 1		\$
			1,3	Cooks			\$
			i	Waiters			\$
Ore Sorters		· <u>····································</u>	\$	<u>  </u>			\$
Total number	n of chifts moute	amod be all		und./	15 456		
	· · · · · · · · · · · · · · · · · · ·	• •	=	*			
	· · · · · · · · · · · · · · · · · · ·	•		9	, .		
Total number	r of shifts perfo	rmed by all	men in mills				
Total cost of	operations dur	ing the year.	If this cannot	be given accur	ately, give ap	proximately.	
			*****************		**********		
•••••				*****************************	••••••		
Remarks:					٠,		
· ·					***************************************		
· ·		***************************************					
· ·			,		•		
· ·			***************************************		•		
					•		

metals as follows:

Silver .....oz.

Tungsten .....%

### **IMPORTANT**

### BLANKS SHOULD BE COMPLETELY FILLED OUT AND RETURNED BY MARCH 1, 194..9.

#### METAL MINES AND MILLS

Name of Mine or Plant ATLANTIC CABLE

County Dolores	, Post Office	District	
	REPORT TO BURE		
	STATE OF COLO	•	¥ • •

### For the Year 194...8 OPERATOR Name of Company, Part- \ \rangle RICO ARGENTINE MINING COMPANY Address of Principal Office SALT LAKE CITY, IITAH Local Office RICO, COLORADO. If incorporated, under the laws of what state?.... Names, titles and ad-dresses of Officers, Partners, Individu See Argentine Mine No. 148 0 Names and numbers of patented claims...... have been listed in vious ......Total acreage..... Names of unpatented claims..... See lists. Q. Do you operate these claims yourself or are they being worked under lease? Discontinued operation..... Was property operated in whole or in part during the past year? during 1948. If you have given a lease for all or part of the property give names and P. O. address of said lessees, together with description of part leased..... Is the work done by your lessees included in this report?.... Have you a mill or reduction works?...... If so, what is its character and capacity? List all improvements and developments made during the year. Address of Owner.... PRODUCTION Total value \$...... Average grade of different metallic content in ores as follows: Gold .....oz. Lead .....% Copper .....% Sulphur .....% Tungsten .....% Vanadium....% Uranium .....% Molybdenum .....% MILLING ORE: Tons milled...... Milling processes employed.....

Copper \_\_\_\_\_%

Iron .....%

Uranium .....%

Sulphur .....%

Fluorspar .....%

Molybdenum .....%

Lead .....%

Zine %

Vanadium....%